Shivam Sharma

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LinkedIn   GitHub   Portfolio

Summary

DevOps Engineer with hands-on experience in AWS, Docker, Kubernetes, Jenkins, and Terraform, specializing in cloud infrastructure automation, CI/CD pipelines, and system security. Proven ability to deploy scalable containerized applications and implement secure cloud solutions using Python and Linux.

Skills

- **Cloud Platforms:** AWS (EC2, IAM, S3), Cloud Security

- **DevOps Tools:** Jenkins, Docker, Kubernetes, Terraform, Nginx

- **Programming & Scripting:** Python, Shell Scripting, SQL

- **Version Control:** Git, GitHub

- **Operating Systems & Web:** Linux (Ubuntu, Debian), HTML, CSS

Experience

Skillquest Learnings   **DevOps Engineer**   **May 2025 – Present**

- Architected and managed secure WireGuard VPN infrastructure, reducing unauthorized access by 40%.

- Deployed Dockerized frontend and Flask backend with Nginx reverse proxy for high availability.

- Built Jenkins CI/CD pipelines for automated build, test, and deployment workflows.

- Implemented Fail2Ban, firewall automation, and access control policies to mitigate attacks.

- Automated monitoring, log analysis, and system health checks using Bash and Python.

Projects

InfraGuard – Cloud Scanner   **Jun 2025 – Present**

Go Live

- Developed a full-stack AWS cloud vulnerability scanning platform using Python (Flask).

- Automated EC2, IAM, and S3 security assessments using AWS SDK (boto3).

- Implemented role-based access, session handling, and async scan execution.

- Generated actionable security reports through dynamic dashboards.

CI/CD Pipeline using Jenkins   **Mar 2025 – May 2025**

Documentation

- Designed an end-to-end CI/CD pipeline for automated deployments on AWS EC2.

- Integrated GitHub webhooks, Dockerized Jenkins, and Nginx reverse proxy.

- Implemented email alerts and job backup automation for reliability.

Education

JIMS Engineering Management Technical Campus (JEMTEC)   Sep 2022 – Sep 2026

B.Tech in Computer Science & Engineering   GPA: 8.0

Additional Technical Exposure

- Basic exposure to Kubernetes deployments, container orchestration, and service networking.

- Experience with Linux server hardening, SSH security, and role-based access controls.

- Familiar with cloud cost optimization basics, IAM least-privilege policies, and logging best practices.

Certifications & Achievements

- Simplilearn – Search Engine Optimization

- Internshala Trainings – Web Development

- 2nd Runner-Up – DSA Hackathon